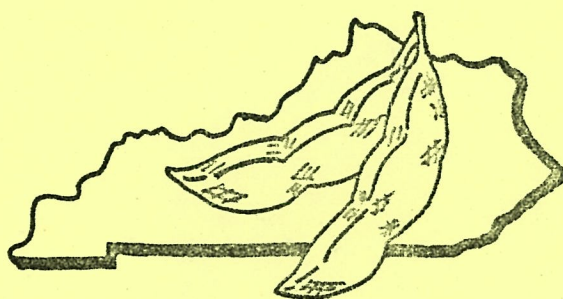


1985

Kentucky Soybean Production Contest
Summary of Awards and Cultural Practices



Sponsored By

UNIVERSITY OF KENTUCKY COOPERATIVE EXTENSION SERVICE,
KENTUCKY SEED IMPROVEMENT ASSOCIATION

And

KENTUCKY SOYBEAN ASSOCIATION

With

COOPERATING AGRI-CHEMICAL COMPANIES

January 21, 1986

1985 Kentucky Soybean Production Contest

Summary of Award Winners

No. of entries completed - 51
 Kentucky counties represented - 13
 Soybean varieties or blends - 21

I. State Winners

<u>Award</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Champion	Fall Creek Farm	Wayne	FFR-561	66.65
2nd Place	Pat Thompson	Daviess	Essex	65.99
3rd Place	Tony McCarty	Daviess	Lawrence	65.95

II. District Winners

<u>District</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>	<u>No. of Entries in District</u>
1	Mills Brothers Farms	Graves	FFR-561	59.06	3
2	Pat Thompson	Daviess	Essex	65.99	27
3	Charlie Gatton, Jr.	Muhlenberg	Dekalb CX-482	63.12	2
4	Rick Lawson	Nelson	Mitchell 450	64.70	7
5	Lafe Smith, Jr., & Joe Smith	Gallatin	Callahan 2380	65.76	2
6	Fall Creek Farm	Wayne	FFR-561	66.65	10

III. 60 Bushel Club

	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1.	Fall Creek Farm	Wayne	FFR-561	66.65
2.	Pat Thompson	Daviess	Essex	65.99
3.	Tony McCarty	Daviess	Lawrence	65.95
4.	Lafe Smith, Jr. & Joe Smith	Gallatin	Callahan 2380	65.76
5.	Rick Lawson	Nelson	Mitchell 450	64.70
6.	Charlie Gatton, Jr.	Muhlenberg	Dekalb CX-482	63.12
7.	Edwin & George Pickerell	Larue	Essex	62.08
8.	Gilbert E. Rudd	Union	Essex	61.58
9.	Fall Creek Farm & C. Gossage	Wayne	Essex	60.38
10.	Robbie Elliott	Daviess	Fayette	60.22
11.	Lafe Smith, Jr.	Gallatin	Callahan 6400	60.14

IV. Agriculture Agent with Top 3 Entries

Tom Curtsinger - Daviess County - 64.05 Bu/A

Summary of Cultural Practices

The information summarized below is from a questionnaire completed by each contestant. An indication of no response means the contestant provided no information. The number in () represents the 11 entries that yielded over 60 bushels per acre.

Did you plant certified seed?			What was your plant population at harvest?		
Yes	39	(9)	2-3 plants per ft.	6	
No	11	(2)	4-6 plants per ft.	12	(2)
No response	1		7-9 plants per ft.	21	(8)
Germination of seed planted.			10-12 plants per ft.	2	
90% or more	19	(5)	No response	10	(1)
85-89%	19	(5)	What year was your soil last tested?		
80-84%	3		1980-1981	0	
No response	10	(1)	1982-1983	17	(4)
Did you inoculate your seed?			1984	11	
Yes	33	(7)	1985	14	(5)
No	14	(4)	No response or unknown	9	(2)
No response	4		What was the pH of the soil?		
What was your planting date?			Less than 5.5	1	
Late April	0		5.5 - 6.0	4	(2)
May 1-10	14	(6)	6.1 - 6.5	15	(2)
May 11-20	16	(1)	6.6 +	15	(5)
May 21-31	15	(4)	No response or unknown	16	(2)
June 1-10	2		Was fertilizer applied this year?		
June 11-20	3		Yes	29	(8)
June 21+	1		No	20	(3)
What row width did you plant?			No response or unknown	2	
< 6"	1		Was nitrogen applied?		
6-10"	7	(1)	Yes (less than 30 lbs/ac)	14	(5)
11-15"	3		No	32	(6)
16-20"	7		No response or unknown	5	
21-27"	0		Was lime applied during last 3 years?		
28-32"	26	(7)	Yes	11	(4)
36-40"	6	(3)	No	16	(2)
No response	1		No response	24	(5)
What was your planting rate?					
Less than 50 lbs.	20	(5)			
50-60 lbs.	14	(5)			
61-70 lbs.	5	(1)			
71-80 lbs.	5				
81-90 lbs.	2				
90+ lbs.	1				
No response	4				

What tillage system was used?

Conventional	27	(5)
Minimum-till	17	(5)
No-tillage	7	(1)
No response	0	

What type of herbicide application did you use?

Preplant-incorp. (PPI)	18	(5)
Preemergence (PRE)	6	(1)
PPI + PRE	0	
PPI + Postemergence	17	(3)
PRE + Postemergence	7	(2)
PPI + PRE + POST	1	
Postemergence	2	
None	0	

Did you use some form of cultivation for weed control?

Yes	23	(7)
No	26	(3)
No response	2	(1)

Did you use an insecticide?

Yes	3	(2)
No	16	(2)
No response	32	(7)

What was your previous crop?

Corn	31	(6)
Soybeans	13	(3)
Pasture or sod	1	
Tobacco	3	(1)
Wheat	1	
Corn/Barley	1	(1)
No response	1	

What were the main factors responsible for high yields?

Good weed control	3	
High fertility level	9	(4)
Good productive soil	12	(4)
Good variety	6	(1)
Good stand	2	
Good management	6	(2)
Narrow rows	1	
Good weather	17	(4)
Early planting	1	
Crop rotation	1	
No response	20	(3)

What were the limiting factors that prevented you from having a higher yield?

Poor weather	5	(1)
Insects	1	
Too much rain	9	(1)
Late planting	1	
Poor stand or too thick	2	(1)
Late harvest or loss	2	(1)
Poor weed control	1	
Environmental	5	(3)
No response	26	(5)

What herbicides were used?

Sonalan	1	(1)
Treflan	18	(1)
Treflan + Lexone	3	(1)
Treflan + Sencor	4	(1)
Prowl	4	(1)
Prowl + Sencor	3	(2)
Dual	1	
Dual + Lexone	1	
Dual + Sencor	2	(1)
Dual + Lorox	2	
Lasso	2	(2)
Lasso + Lorox	1	
Dyanap	1	(1)
Dyanap + Butyrac	1	(1)
Lorox + Butyrac	1	
Basagran	1	
Blazer	7	(2)
Rescue	1	
Poast	1	
Fusilade	3	
Basagran + Blazer	2	
Basagran + Fusilade	1	
Blazer + Poast	1	(1)
Basagran + Blazer + Butyrac	5	
Basagran + Blazer + Fusilade	2	
Basagran + Butyrac + Fusilade	1	
Bronco	2	
Bronco + Sencor	1	
Paraquat + Prowl + Lorox	1	
Paraquat + Dual + Lexone	1	
Paraquat + Dual + Sencor	1	(1)
Paraquat + Lasso + Lexone	1	

Three most commonly used varieties.

Essex	18
FFR-561	4
Fayette	4

Summary of Other Entries

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Warren Dunn	Carlisle	Asgrow 5474	49.25
Tom Curtsinger	Graves	Stutts	43.90
Joe Stephen	Daviess	Mitchell	59.67
Mike Newman	Daviess	Lawrence	58.39
Marc Lashbrook	Daviess	FFR-561	57.12
McCarty & Terry Farm	Daviess	Essex	56.73
Roger Kamuf	Daviess	Miles 400	56.58
Rick Kamuf	Daviess	Williams	56.46
Foster Farms	Daviess	Essex	55.11, 46.62
Randall Stephen	Daviess	Fayette	55.01
Ben Allen Burns, Jr.	Daviess	Union	51.47
Don Fischer	Daviess	Fayette	50.77
Bernard Hamilton	Daviess	Fayette	50.07
Keith Riney	Daviess	Union	49.38
Ronnie Kamuf	Daviess	Miles 400	48.58
John Burns	Daviess	Douglas	47.27
Ranny Ayer	McLean	Essex	54.39
Charles O'Nan	Union	Pixie	56.71
Charles O'Nan	Union	Essex	52.75, 52.63
Jerry Day & Huckby	Union	Essex	51.03
Jerry White	Union	J. W. Special	50.28
Damien Elder & Sons	Union	Essex	49.45
Waller Brothers	Union	Essex	42.90
Sunnydale Farm, Inc.	Todd	Pella	56.69
Nick Stuecker & Sons	Hardin	Dekalb CX-482	58.04
Jeff Cave	Hardin	Jacques J-130	50.92
Bill Cochran	Hardin	Williams	51.72
David Miller	Hardin	Essex	46.15
Kevin Mobley	Hardin	FFR-561	34.36
Orman Burton	Wayne	Essex	57.18
McKinley & Sexton & Fallazadeh	Wayne	Essex	56.94
Max Kinnett & Johnson	Wayne	Agripro 350	56.47
Max Kinnett & Johnson	Wayne	Essex	54.11
Williams Brothers	Wayne	Mitchell 450	55.17
McKinley & Sexton and C. Blevins	Wayne	Essex	51.52
Fall Creek Farm	Wayne	Pioneer 5482	43.85
Bill Newell	Mason	Agripro 350	46.59

Cooperating Agri-Business Companies

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Asgrow Seed Co.	J. M. Schultz Seed Co.
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Dow	Rohm and Haas
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Elanco	Stauffer
FMC	Union Carbide
ICI Americas Inc.	Uniroyal